Welcome to
MATH 3231 - Introductory Analysis I
Fall Term 2013

INSTRUCTOR: Dr. M. Ilie

- **Contact info**: RB 2019 ⋆ 766-7224 ⋆ *milie@lakeheadu.ca*

- **Office hours**: Tuesday 11:30-12:30, Wednesday 2:00-3:00 (or by appointment)

COURSE INFORMATION:

- **Class time**: Tu Th 2:30-4:00, RB 3047

- **Textbook**: *Introduction to real analysis* by Robert Bartle, Donald Sherbert.

- **Additional resources**

  - *Introduction to analysis*, by Maxwell Rosenlicht

- **Grading:** Your grade will de determined by one midterm, a cumulative final exam and a homework grade. The weight of each of these are as follows:

Homework	Midterm	Final Exam
15%	35%	50%
	Th, October 24	TBA

- **Course webpage:**
  http://flash.lakeheadu.ca/∼ milie/Math3231.html

- **Important dates:**

  Friday, September 20, 2013: final date for registration

  Monday, November 4, 2013: last date for course withdrawal without academic penalty

  December 5-17, 2013: Examinations

  December 18, 2013: Contingency date (all exams that are missed by the closure of the university during the exam period, due to unforseen circumstances, will be rescheduled this day)

GOALS The goal of this course is to build a reasonable foundation for advanced work in various branches of analysis. Moreover, there will be an emphasis on understanding and writing mathematical proofs. In particular, you will see and be encouraged to prove (in full detail) statements which previously you have been persuaded to accept because of their immediate obviousness. By the end of the term you will have a deep understanding the properties of the real numbers, order completeness of reals, metric space topology, numerical sequences and series.

SYLLABUS In this introductory course in real analysis we will cover Chapter 1, 2, 3, and from Chapter 11 sections 1, 2, 4.

COURSE POLICIES LATE assignments will NOT be accepted. If you miss an exam with a university approved excuse, the weight of that exam will be *transferred* to the *next exam*. There will be no make-up exams!